

L63 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1993:23700 CAPLUS  
 DN 118:23700  
 ED Entered STN: 24 Jan 1993  
 TI Manufacture of weather-, permanently flameproofed yarn, a yarn based  
 fabric, and a dyed yarn-based awning for outdoor use  
 IN Lauterburg, Nikolaus  
 PA Lauterburg und Cie A.-G., Switz.  
 SO Eur. Pat. Appl., 5 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA German  
 IC ICM D06P003-54  
 ICS D06P001-00  
 CC 40-6 (Textiles and Fibers)  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 503114	A1	19920916	EP 1991-103858	19910313 <--
	EP 503114	B1	19970102		
	R: AT, CH, DE, ES, FR, IT, LI, NL				
	AT 147110	E	19970115	AT 1991-103858	19910313
	ES 2033659	T3	19970401	ES 1991-103858	19910313
	DE 19540451	C1	19970430	DE 1995-19540451	19951031
	EP 775772	A2	19970528	EP 1996-115402	19960925
	EP 775772	A3	19970723		
	EP 775772	B1	20010516		
	R: AT, CH, DE, ES, FR, IT, LI, NL				
	ES 2159668	T3	20011016	ES 1996-115402	19960925
PRAI	EP 1991-103858	A	19910313		
	DE 1995-19540451	A	19951031		

CLASS

	PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
	EP 503114	ICM	D06P003-54
		ICS	D06P001-00
		IPCI	D06P0003-54 [ICM,5]; D06P0001-00 [ICS,5]
		ECLA	D06P001/00A; D06P003/54 <--
	AT 147110	IPCI	D06P0003-54 [ICM,6]; D06P0001-00 [ICS,6]
	ES 2033659	IPCI	D06P0003-54 [ICM,6]; D06P0001-00 [ICS,6]
	DE 19540451	IPCI	D06M0017-00; D06M0011-83; D06M0154-23; D06M0132-92; C23C0014-20; E04F0010-02; D03D0015-00; D06M0017-00; D06M0101-32; D06M0101-26
		ECLA	D06M011/83; D06M013/292; D06M015/256; D06M015/423; D06N003/00E2; E04F010/02
	EP 775772	IPCI	D06M0011-83 [ICM,6]
		ECLA	D06M011/83; D06M015/423; D06N003/00E2; E04F010/02; D06M013/292; D06M015/256
	ES 2159668	IPCI	D06M0011-83 [ICM,7]
AB	Title yarns in various shades for the title use comprise a PET yarn dyed in a bath with a composition containing a weatherproof difficulty flammable disperse dye (in an amount dependent on the depth of shade and type of dyeing), HOAc to adjust pH to 4.5-5, NaOAc or similar compound to stabilize pH, and a leveling agent in an autoclave under pressure at 50-150°.		
ST	fireproof weatherproof polyester yarn dyeing; awning polyester yarn weatherproof fireproof		
IT	Dyes (disperse, in manufacture of weatherproof fireproof polyester textiles)		
IT	Dyeing (disperse, of polyester yarns, for manufacture of fireproof weatherproof textiles)		
IT	64-19-7, Acetic acid, uses 127-09-3, Sodium acetate 67339-67-7, Eganal		

PS  
 RL: USES (Uses)  
 (in dyeing polyester yarn for weatherproof fireproof textile manufacture)

IT 121274-02-0, Scotchgard FC 251 145054-41-7, Pekoflam PES  
 RL: USES (Uses)  
 (in manufacture of weatherproof fireproof polyester yarn textiles)

RN 64-19-7  
 RN 127-09-3  
 RN 67339-67-7  
 RN 121274-02-0  
 RN 145054-41-7

L63 ANSWER 2 OF 2 WPIX COPYRIGHT 2005 THE THOMSON CORP on STN  
 AN 1992-309362 [38] WPIX  
 DNC C1992-137382  
 TI Dyeing polyethylene terephthalate yarn for use in striped marquee canvas -  
 which is weatherproof and permeable and has permanent low flammability.

DC A23 A35 E24 F06  
 IN LAUTERBURG, N  
 PA (LAUT-N) LAUTERBURG & CIE AG  
 CYC 8

PI EP 503114 A1 19920916 (199238) \* GE 5 D06P003-54 <--  
 R: AT CH DE ES FR IT LI NL  
 ES 2033659 T1 19930401 (199323) D06P003-54  
 EP 503114 B1 19970102 (199706) GE 6 D06P003-54 <--  
 R: AT CH DE ES FR IT LI NL  
 DE 59108454 G 19970213 (199712) D06P003-54  
 ES 2033659 T3 19970401 (199720) D06P003-54

ADT EP 503114 A1 EP 1991-103858 19910313; ES 2033659 T1 EP 1991-103858  
 19910313; EP 503114 B1 EP 1991-103858 19910313; DE 59108454 G DE  
 1991-508454 19910313, EP 1991-103858 19910313; ES 2033659 T3 EP  
 1991-103858 19910313

FDT ES 2033659 T1 Based on EP 503114; DE 59108454 G Based on EP 503114; ES  
 2033659 T3 Based on EP 503114

PRAI EP 1991-103858 19910313  
 REP 2.Jnl.Ref; JP 51113000; 3.Jnl.Ref  
 IC ICM D06P003-54  
 ICS D06P001-00

AB EP 503114 A UPAB: 19931113  
 Production of weatherproof yarns with permanent low flammability in various  
 single colours, for outdoor use, especially for marquees, comprises dyeing a  
 yarn of PET, e.g. 'Tevira CS' (RTM). Dyeing is carried out under pressure  
 in an autoclave at 50-115 deg. C, using a dyebath containing x% (according to  
 the type and depth of dyeing) of the disperse dyestuff (I), e.g. 'Samaron'  
 (RTM) or 'Terasil' (RTM), developed w.r.t. low flammability and  
 weatherproofness, pref. 0.8-1.5, esp. 1% levelling agent (II), e.g. 'Eganal  
 PS' (RTM), x% acetic acid (III) to pH pref. 4.5-5 and x%, pref. 2% Na  
 acetate (IV) etc. as acid donor to stabilise the pH, rest water.  
 The claims also cover marquee canvas of 100% PET, e.g. 'Trevira CS'  
 dyed with (I) and given an oil/soil/-water-repellent finish with a  
 fluorocarbon resin (V), e.g. 'Scotchguard FC' 251 (RTM) and an organic  
 cpd. (VI) with high P content, e.g. 'Pekoflam PES' (RTM).  
 USE/ADVANTAGE - The yarn is suitable for making patterned (striped)  
 marquee canvas, which satisfies the requirements for weatherproofness and  
 permanent low flammability and is also air-permeable. The oil-, grease-  
 and fat-repellent hydrophobic finish does not mask the colour or impair  
 the other properti

Dwg.0/0

FS CPI  
 FA AB; DCN  
 MC CPI: A04-E10; A05-E04C; A08-F03; A08-M01A; A11-A01B; A12-G03; A12-R;  
 A12-S05N; E10-C04J; E25; F03-C02; F03-C02A; F03-C03A; F03-F07;  
 F03-F18; F03-F32; F04-B; F04-E

L45 ANSWER 19 OF 1490 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2002:799044 CAPLUS  
 DN 138:222893  
 ED Entered STN: 22 Oct 2002  
 TI Antifouling and **antibacterial** finishing of **polyester**  
 fibers by new surface **fluoroalkylation** agent  
 AU Kawase, Tokuzo  
 CS Faculty of Human Life Science, Osaka City University, Osaka, 558-8585,  
 Japan  
 SO Sen'i Seihin Shohi Kagaku (2002), 43(9), 568-572  
 CODEN: SESKB9; ISSN: 0037-2072  
 PB Nippon Sen'i Seihin Shohi Kagakkai  
 DT Journal; General Review  
 LA Japanese  
 CC 40-0 (Textiles and Fibers)  
 AB A review is given on antifouling of **polyester** fibers by  
**fluoroalkylation** of the surface of the fibers, synthesis of  
**fluorine**-containing antifouling and **antibacterial** isocyanate  
 oligomers, and results and discussion.  
 ST review anticontamination **bacteria** resistant finishing surface  
**fluoro** alkylation agent  
 IT **Polyester** fibers, processes  
 RL: PEP (Physical, engineering or chemical process); PYP (Physical  
 process); RCT (Reactant); PROC (Process); RACT (Reactant or reagent)  
 (antifouling and **antibacterial** finishing of **polyester**  
 fibers by new surface **fluoroalkylation** agent)  
 IT Antifouling agents  
 (antifouling of **polyester** fibers by **fluoroalkylation**  
 of the surface of **polyester** fibers)  
 IT Haloalkylation  
 (**fluoroalkylation**; antifouling and **antibacterial**  
 finishing of **polyester** fibers by new surface  
**fluoroalkylation** agent)  
 IT **Antibacterial** agents  
 (synthesis of **fluorine**-containing antifouling and  
**antibacterial** isocyanate oligomers)  
 IT 661-20-1DP, Isocyanate, **fluorine**-containing, oligomers  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (synthesis of **fluorine**-containing antifouling and  
**antibacterial** isocyanate oligomers)  
 RN 661-20-1DP